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NOTICE OF ALLOWANCE AND FEE(S) DUE

21839

7590

05/13/2009

BUCHANAN, INGERSOLL & ROONEY PC POST OFFICE BOX 1404 ALEXANDRIA, VA 22313-1404 EXAMINER

WANG, XIAOBEI

ART UNIT PAPER NUMBER

1793

DATE MAILED: 05/13/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/583,247	06/16/2006	Yngve Lundgren	1034281-000007	9111

TITLE OF INVENTION: METHOD OF RECYCLING AN EXHAUSTED SELENIUM FILTER MASS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	08/13/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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POST OFFICE BO			ART UNIT	PAPER NUMBER	
ALEXANDRIA, VA 22313-1404			1793		
			DATE MAILED: 05/13/2009		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 459 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 459 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/583,247	LUNDGREN, YNGVE	
Notice of Allowability	Examiner	Art Unit	
	XIAOBEI WANG	1793	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT F of the Office or upon petition by the applicant. See 37 CFR 1.31	pears on the cover sheet 5 (OR REMAINS) CLOSEI) or other appropriate com RIGHTS. This application	with the correspondence address) in this application. If not included munication will be mailed in due course. T	
1. This communication is responsive to <u>3/16/2009</u> .			
2. ☑ The allowed claim(s) is/are <u>6-27</u> .			
 Acknowledgment is made of a claim for foreign priority to a) All b) Some* c) None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority documents have Copies of the certified copies of the priority documents have Topies of the certified copies of the priority documents have Action 1.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" 	e been received. e been received in Applica ocuments have been recei	ation No ved in this national stage application from	
 noted below. Failure to timely comply will result in ABANDONI THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subr INFORMAL PATENT APPLICATION (PTO-152) which gives the properties of the pr	nitted. Note the attached E)F
5. CORRECTED DRAWINGS (as "replacement sheets") mu	st be submitted.		
(a) ☐ including changes required by the Notice of Draftsper1) ☐ hereto or 2) ☐ to Paper No./Mail Date	-	lew (PTO-946) attached	
(b) ☐ including changes required by the attached Examiner Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR)	's Amendment / Commen 1.84(c)) should be written o	n the drawings in the front (not the back) of	
each sheet. Replacement sheet(s) should be labeled as such in 6. DEPOSIT OF and/or INFORMATION about the deporate attached Examiner's comment regarding REQUIREMENT	osit of BIOLOGICAL MA	TERIAL must be submitted. Note the	
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Paper N 7. ☑ Examine	Informal Patent Application Summary (PTO-413), o./Mail Date r's Amendment/Comment r's Statement of Reasons for Allowance	
/XIAOBEI WANG/	/Roy King/		
Examiner, Art Unit 1793	Supervisory l	Patent Examiner, Art Unit 1793	

DETAILED ACTION

Status Report

Claims 6-21 are pending, with claims 22-27 new.

Status of Objections

The objection to the specification is withdrawn in light of the substitute specification filed 3/16/2009, which has been entered.

Status of Rejections

The 35 U.S.C. 112, 2nd paragraph rejection is withdrawn in light of amendments filed 3/16/2009.

The 35 U.S.C. 102(b) rejection of claims 6-13 as being anticipated by Bohland et al (US Patent 6,129,779) is withdrawn in light of arguments and amendments filed 3/16/2009.

The 35 U.S.C. 103(a) rejection of claims 14-21 as being unpatentable over Bohland et al (US Patent 6,129,779) in view of Melkerson et al (US Patent 3,786,619) is withdrawn in light of arguments and amendments filed 3/16/2009.

Allowable Subject Matter

Claims 6-27 are allowed.

Regarding claim 6, there is no record in the prior art specifically describing treating a spent selenium filter mass with hydrogen peroxide to leach out the selenium content and contacting spent selenium filter mass with aqua regia solution to dissolve mercury selenide present in the filter mass.

Regarding claims 7-27, claims 7-27 are dependent up on claim 6 and are therefore also allowable.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Bruce Gray on 5/6/2009.

Claim 27 (Currently amended) The process of claim 6, further comprising adding SO₂ to the aqua regia solution containing the dissolved mercury selenide, precipitating elemental selenium, and separating the precipitated elemental selenium from the aqua regia solution containing the dissolved mercury selenide.[[.]]

The abstract has been amended to comply with length requirements as follows, on the next page.

Application/Control Number: 10/583,247 Page 4

Art Unit: 1793

Abstract

A process for reclaiming spent selenium filter mass containing an inert material. The spent mass is treated with a hydrogen peroxide solution for leaching out selenium content from unspent active substance present in the filter mass to form selenious acid. The filter mass is treated with aqua regia solution to dissolve mercury selenide present in the mass. The aqua regia solution is separated from the mass and isolated. Suitably, the filter mass, which now contains inert carrier material, is transferred with the isolated selenious acid, to production of new selenium filter mass. After partial neutralization of the aqua regia solution, mercury is precipitated out for disposal. Before this, elemental selenium can be separated from the aqua regia solution by adjusting the pH level and used advantageously for production of new filter mass. Thusly, reclaimed selenium content and inert carrier material can be advantageously used for production of new selenium filters.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to XIAOBEI WANG whose telephone number is (571)270-5764. The examiner can normally be reached on Monday - Friday, 8:00am - 5:00 pm, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Roy King can be reached on 571-272-1244. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Roy King/ Supervisory Patent Examiner, Art Unit 1793

/X. W./ Examiner, Art Unit 1793